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Pacific Highway Trunk Sewer

Background

Pacific Highway Trunk Sewer is part of the Sewer Main Replacement Program established by the City of San Diego and mandated by the Environmental Protection Agency (EPA). This project is located in the Centre City, Midway-Pacific Highway and Reserve Community areas.

The existing trunk sewer is 36-inch and 39-inch Reinforced Plastic Mortar (Techite) pipe installed in the 1970s which has deteriorated and is in need of replacement. This project will provide improved accessibility for maintenance personnel and improve the sewage collection systems in general within the area. The trunk sewer included in this project will be replaced utilizing open trench and trenchless construction.

Project Overview

Pacific Highway Trunk Sewer consists of:

- Installing 496 linear feet (0.09 miles) of new 30-inch pipe and manholes on Grape Street from North Harbor Drive to Pacific Highway. This will replace a 24-inch portion of the existing trunk sewer located at an adjacent parking lot, and relocate it into the street, making it more accessible for maintenance purposes.
- Rehabilitating 4,630 linear feet (0.88 miles) of 36-inch and 39-inch pipe in Pacific Highway from Grape Street to Sassafras Street by slip-lining them with 30-inch High Density Polyethylene (HDPE) pipe.
- Replacing 80-feet of 8-inch PVC pipe in Pacific Highway through Grape Street
- Adding 76 feet of 12-inch PVC pipe in Grape Street
- Rehabilitating existing manholes
- Installing curb ramps where necessary
- Slurry sealing of streets affected by construction

The streets affected by construction activities within this project are: North Harbor Drive, Grape Street, Pacific Highway, Hawthorne Street, Juniper Street, Laurel Street, West Palm Street and Sassafras Street. Please refer to the project's location map for details.

Construction activities include excavation of a deep trench on Grape Street and deep pits on the other streets of the project, all of which fall below the groundwater table. In order to perform the work, a pump powered by a generator will remove all standing sea water from the trenches and pits throughout construction activities, which ensures the continuous and timely progress of the project. The infiltrating sea water will be discharged into a downstream sewer manhole via small pipes placed along the street curbs.

"Working together to engineer a better tomorrow."

If you have any questions about this project, please call Engineering and Capital Projects Public Information Line at (619) 533-4207 or visit us online at www.sandiego.gov/engineering-cip.



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Additionally, due to the depth of these trenches and pits and the requirement for the safety of the construction crews, structural reinforcement along the trenches will be installed. In order to do this, a large pile driver will be used to hammer large sheet piles deeply into each of them immediately following all excavation operations.

Noise Advisory – Please be advised that pump generators will emit a continuous engine-running sound throughout construction activities. The pile driver will emit a banging sound when hammering the large sheet piles into the trenches and pits. This activity is performed after the trenches and pits are excavated and can take 1-2 weeks to complete, depending on soil and groundwater conditions. **Noise from the contractor's operations will not exceed limits established by applicable laws and regulations in the working areas.**

Construction Schedule

The anticipated construction schedule for the entire project is from August 2011 to June 2012. Working hours are:

- Monday through Friday **nights between 9:00 p.m. and 6:00 a.m.** - Work on Grape Street; within the intersections of Pacific Highway and Laurel Street; and Pacific Highway and Hawthorn Street.
- Monday through Friday between **8:30 a.m. and 3:30 p.m.** - For all other work on Pacific Highway.

Special traffic control plans have been prepared for the open trench work on Grape Street. The contractor will prepare traffic control shop drawings for the other streets within the project (where needed) and will implement them during construction after review and approval by the City.

The contractor will be directed at all times to keep the area as clean as possible from dirt and dust.

Cost

The total project cost of Pacific Highway Trunk Sewer including design, construction inspection is estimated at approximately \$4,622,000.

Additional Information

Additional information about this and other important infrastructure projects can be found online at www.sandiego.gov/engineering-cip, by calling the public information line at (619) 533-4207, or by sending an email to engineering@sandiego.gov.

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